

CLAIMS

1. A composite textile fabric comprising:
an inner fabric layer formed with a plurality of channels
therealong and made of a yarn comprising a plurality of synthetic yarn fibers
5 which have been rendered hydrophilic;
an outer fabric layer comprising a material selected from the
group consisting of a moisture absorbent material, a plurality of synthetic yarn
fibers and a combination thereof;
wherein the first inner fabric layer and second outer fabric layer
10 are formed concurrently by knitting a plaited construction so that there is
nothing interposed between the first and second fabric layers.
2. The fabric of Claim 1, wherein said inner fabric layer has a
raised surface and the outer fabric layer has a non-raised surface.
3. The fabric of Claim 1, wherein said moisture absorbent material
15 is selected from the group consisting of cotton, rayon and wool.
4. The fabric of Claim 1, wherein said fabric has a construction
selected from the group consisting of a knit, two-end fleece, three-end fleece,
terry with regular plaiting, double terry, and tricot.
5. The fabric of Claim 1, wherein the inner fabric layer comprises
20 between about 30 and 70 percent by weight of the fabric and said second
fabric layer comprises between about 70 and 30 percent by weight of the
fabric.
6. The fabric of Claim 1, wherein the synthetic fibers of said inner
fabric layer are selected from the group consisting of polyester and nylon.
- 25 7. The fabric of Claim 1, wherein the outer fabric layer is made of a
yarn comprising a plurality of synthetic fibers.
8. The fabric of Claim 7, wherein the denier of the yarn fibers of the
inner fabric layer and the outer fabric layer are in a ratio of between about
1:20 and 10:1.

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9. The fabric of Claim 7, wherein the denier ratio of the yarn of the first inner fabric layer to that of the second outer fabric layer is between about 1:6 and 1:1.5.

5 10. The fabric of Claim 7, wherein the yarn fibers of the inner fabric layer are in a size range of between about 0.15 and 3.0 dpf and the yarn fibers of the outer fabric layer are in a size range of between about 0.3 and 3.0 dpf.

10 11. The fabric of Claim 7, wherein the yarn of the outer fabric layer is in a size range of between about 50 and 300 denier and the yarn of the inner fabric layer is in a size range of 50 and 200 denier.

12. The fabric of Claim 1, wherein said plurality of channels formed along said inner fabric layer comprises a plurality of vertical and horizontal channels.

15 13. The fabric of Claim 12, wherein said vertical channels formed along the inner fabric layer are constructed by means of tipped and tipless sinkers, high and low sinkers, or a combination thereof.

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